Amendments to the Claims

1-74. (Canceled)

75. (Previously presented) A process for preparing a material capable of luminescence, said material comprising a polymer or oligomer and an organometallic group, the organometallic group being covalently bound to the polymer or oligomer and the nature, location and/or proportion of the polymer or oligomer and of the organometallic group in the material being selected so that the luminescence predominantly is phosphorescence; said process comprising:

(a) reacting monomers to form a polymer or oligomer wherein each monomer has at least two reactive groups selected from the group consisting of a halide group, a boronic acid group, a boronic ester group, and a borane group, and each monomer comprises an aryl or heteroaryl group; and

(b) terminating the polymer or oligomer formed in step (a) using an end-capping reagent, said end-capping reagent comprising one reactive group selected from the group consisting of a halide group, a boronic acid group, a boronic ester group, and a borane group, said end-capping reagent further containing an organometallic group.

76-77. (Canceled)

78. (Previously presented) A process according to claim 75, wherein the polymer or oligomer is at least partially conjugated.

79. (Previously presented) A process according to claim 75, wherein the polymer or oligomer is linear.

80. (Previously presented) A process according to claim 75, wherein the luminescence is electroluminescence.

81. (Canceled)

82. (Previously presented) A process according to claim 75, wherein the polymer or oligomer is semiconducting.

83. (Previously presented) A process according to claim 82, wherein the aryl or heteroaryl group comprises a group selected from the group consisting of 2,7-linked 9,9 disubstituted fluorenes, p-linked dialkyl phenylenes, p-linked disubstituted phenylenes, phenylene vinylenes, 2,5-linked benzothiadiazoles, 2,5-linked substituted benzothiadiazoles, 2,5-linked disubstituted benzothiadiazoles, 2,5-linked substituted thiophenes, unsubstituted thiophenes, and triarylamines.

84. (Previously presented) A process according to claim 75, wherein the organometallic group contained in the end-capping reagent contains a transition metal.

85. (Previously presented) A process according to claim 84, wherein the organometallic group contained in the end-capping reagent contains a precious metal.

86-97. (Canceled)